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Search History

Today's Date: 1/23/2001

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,JPAB,EPAB,DWPI	125 and vaccine\$	2	<u>L26</u>
USPT,JPAB,EPAB,DWPI	5872005.pn.	2	<u>L25</u>
USPT,JPAB,EPAB,DWPI	adeno-associated\$ near5 vaccine\$1	12	<u>L24</u>
USPT,JPAB,EPAB,DWPI	adeno\$ near5 vaccine\$1	259	<u>L23</u>
USPT,JPAB,EPAB,DWPI	121 and adeno\$	13	<u>L22</u>
USPT,JPAB,EPAB,DWPI	120 and vector\$	54	<u>L21</u>
USPT,JPAB,EPAB,DWPI	119 and vaccine\$1	77	<u>L20</u>
USPT,JPAB,EPAB,DWPI	papilloma\$ near10 "12"	111	<u>L19</u>
USPT,JPAB,EPAB,DWPI	117 same papilloma\$	27	<u>L18</u>
USPT,JPAB,EPAB,DWPI	fusion adj1 (peptide\$1 or polypeptide\$1)	2184	<u>L17</u>
USPT,JPAB,EPAB,DWPI	((adeno-associated adj3 vector) near20 vaccine\$)	11	<u>L16</u>
USPT,JPAB,EPAB,DWPI	adeno-associated near10 vaccine\$	18	<u>L15</u>
USPT,JPAB,EPAB,DWPI	adeno-associated near5 papilloma\$	59	<u>L14</u>
USPT,JPAB,EPAB,DWPI	adeno-associated near10 papilloma\$	126	<u>L13</u>
USPT,JPAB,EPAB,DWPI	adeno-associated near15 papilloma\$	133	<u>L12</u>
USPT,JPAB,EPAB,DWPI	adeno-associated same papilloma\$	165	<u>L11</u>
USPT,JPAB,EPAB,DWPI	adeno-associated and papilloma\$	401	<u>L10</u>
USPT,JPAB,EPAB,DWPI	aav and 11	0	<u>L9</u>
USPT,JPAB,EPAB,DWPI	11 and ("11" or "12")	95	<u>L8</u>
USPT,JPAB,EPAB,DWPI	16 and vaccine	22	<u>L7</u>
USPT,JPAB,EPAB,DWPI	15 and papilloma\$	35	<u>L6</u>
USPT,JPAB,EPAB,DWPI	gissmann-1\$.in.	39	<u>L5</u>
USPT,JPAB,EPAB,DWPI	gissman-1\$.in.	0	<u>L4</u>
USPT,JPAB,EPAB,DWPI	11 same orf	2	<u>L3</u>
USPT,JPAB,EPAB,DWPI	11 near10 orf	0	<u>L2</u>
USPT,JPAB,EPAB,DWPI	papilloma\$ near10 vaccine	160	<u>L1</u>

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2001 ACS
AN 2000:359342 CAPLUS
DN 133:99254
TI Preclinical study on gene therapy of cervical carcinoma using
adeno-associated virus vectors
AU Kunke, David; Grimm, Dirk; Denger, Stefanie; Kreuzer, Jorg; Dellus, Hajo;
Komitowski, Dymitr; **Kleinschmidt, Jurgen A.**
CS Deutsches Krebsforschungszentrum, Forschungsschwerpunkt Angewandte
Tumorstudiologie, Heidelberg, D-69120, Germany
SO Cancer Gene Ther. (2000), 7(5), 766-777
CODEN: CGTHEG; ISSN: 0929-1903
PB Nature America Inc.
DT Journal
LA English
RE.CNT 62
RE
(2) Alvarez-Salas, L; Proc Natl Acad Sci USA 1998, V95, P1189 CAPLUS
(3) Bottazzi, B; J Immunol 1992, V148, P1280 CAPLUS
(4) Chatterjee, S; Methods 1993, V5, P51 CAPLUS
(5) Chomczynski, P; Anal Biochem 1987, V162, P156 CAPLUS
(6) Conrad, C; Gene Ther 1996, V3, P658 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 7 OF 7 MEDLINE

DUPLICATE 3

AN 83878357 MEDLINE

DN 83878357

TI Immune response to genital **papillomavirus** infections in women.
Prospects for the development of a **vaccine** against cervical
cancer.

AU Gissmann L; **Jochmus I**; Nindl I; Muller M

CS Forschungsschwerpunkt Angewandte Tumorstudiologie Deutsches
Krebsforschungszentrum, Heidelberg, Germany.

SO ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, (1993 Aug 12) 690 80-5. Ref:

Journal code: 5NM. ISSN: 0077-8923.

CY United States

DT Journal; Article; (JOURNAL ARTICLE)

General Review; (REVIEW)

(REVIEW, TUTORIAL)

LA English

FS Priority Journals; Cancer Journals

EM 199312

[illegible]

[illegible]

NEW
CZ OF DR DMLE ES FLBG GD SHL GH GYH LR,
HLD BL
PURP QV VVQ PVR KZ FFLK FK LS EL LF
V MA
GZ QZ BZ CZ DZ EZ FZ GZ HZ JZ KZ LZ MZ
ND NZ OZ PZ QZ RZ SZ TZ UZ VZ WZ XZ YZ
ZW AZ A Z
EL FL GL HL IL JL KL PL RL SL TL VL XL
KV NV OV PV QV RV SV TV UV VW XV YV ZV
BE CH CI DE
DK EL FL FR GR HR IL LL NL NY OL PL QL RL
RU CE
CG CL CL CV CW CX CY CZ DZ E Z F Z G Z H Z I Z
US GI HI IO LI MI NO OH OR OS OT OU OV OW OX
PPA PT S 1968 240 78 1990 704 US 1999 240 78 1990 704
US 1995 8311 1995 1207
US 1995 8316 1995 1207
US 1996 651568 1996 6522
US 1996 677112 1996 6709
US 1996 760489 1996 1205
US 1997 562504 1997 1031
US 1998 185373 1998 1103
 AB. This invention provides methods of obtaining novel
 polynucleotides and
 encoded polypeptides by use of non-stochastic methods of directed
 evolution (directed evolution RTM). These methods include
 non-stochastic
 polynucleotide site-sat mutagenesis (site sat. mut)
 Mutagenesis RTM)
 and non-stochastic polynucleotide reassembly
 (GeneReassembly RTM).
 Through use of the claimed methods, genetic ***vaccines***,
 enzymes,
 and other desirable mol's can be evolved towards desirable
 properties.
 For example, ***vaccine*** vectors can be obtained that exhibit
 increased efficacy for use as genetic ***vaccines***. Vectors
 obtained by using the methods can have, for example, enhanced
 antigen
 expression, increased uptake into a cell, increased stability in a cell,
 ability to tailor an immune response, and the like. This invention
 provides methods of obtaining novel enzymes that have optimized
 phys
 and/or bio properties. Furthermore, this invention provides
 methods of
 obtaining a variety of novel bio/active mol's in the fields of
 antibiotics, pharmaceuticals, and transgenic traits.

I-6 ANSWER 4 OF C MEDLINE
N 2001 49983 4 PM 1 F
D 2014983
T1 Recombinant
expressing human
*****papillomavirus*** type 16 E7 peptide DNA fused with heat**
shock

[illegible]

- (4) Miller AL, Brock CA, 1997 V254 P63 CAPUS
(5) Peng B, Brock CA, 1998 V240 P147 CAPUS
(6) S Health, WO 9408792 A 1994 CAPUS
M1 GENEXIS, V240 M140 HP Ref 1 CAPUS
- I15 ACCESSION 254 7 1234567 123456789 2004 E1 SEYUW
SOT IAV DUTP ICAHE 1
T1 Immunization against human ***papillomavirus*** infection
and associated neoplasia
AU Olson W, ***Papiloma-I***, Attilio M, Garmann L,
CS T Greenstone, German Cancer Research Center, Heisenheimer
Feld 280,
(69120) Heidelberg, Germany; Igemann J, Decker J,
SO Journal of Clinical Microbiology, 1998, 36(1), 1-7.
I221 123456789 123456789 123456789
P11 S1386-6532(1998)00084-1
CY Netherlands
DT Journal Article
FS 004 Microbiology
016 Cancer
026 Immunology, Serology and Transplantation
037 Drug Literature Index
LA English
SI English
AB Background Chimeric virus-like particles (VLP) constructed
by fusing
human ***papillomavirus*** type 16 (HPV16) L7 sequences
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C terminus of the viral L1 gene constitute the first generation of
preventive or therapeutic HPV ***vaccines***. Even though
vaccination
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of yeast cell-derived pseudovirions carrying a green fluorescence
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RMA-cells.
CTL protect against tumor formation by syngeneic HPV transformed
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also reduce regression of already established tumors. Since
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CTL response is achieved by presentation of epitopes as short
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CAPUS 123456789 123456789 123456789
- I15 ACCESSION 254 7 1234567 123456789 2004 E1 SEYUW
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11997580 A1 1999-276 EP 1997/585500 1997/730
R AT DE CH DE FR GB IT IL NL SE
PRAI DE 1996/0951850 A 1996/02
WO 1997/011629 1997/730
A1 A vaccine against cells infected with human
immunodeficiency virus (HIV)
comprises a vector coding a nuclear acid which is a
fusion
protein between the fusion protein polypeptide chain of a structural
protein of a virus and a polypeptide chain of a fusion-forming
protein
Papillomavirus
encoded by an entity ***papillomavirus***
relating
to a gene coding for a terminal truncated major coat protein
of HPV
16 was amplified by PCR inserted into ***vector*** pl 119
and ligated
to a gene fragment encoding the lat 36 amino acids of protein E6
of HPV
16, the deletion from E6 destroys the transforming properties of the
transcript The E6 protein gene was excised and inserted into
adenovirus ***vector*** pUC2

129 AN 1996/328231 CAPI US
DN 125 8478
TI ***Papilloma*** virus like particles containing fusion proteins
for
vaccines

1199999 Int. Bion. Inc. ***Keller Martin***
PA A vaccine vector derived from a heterologous virus
Therapeutic and
Technological Use of
SO Ger Offen 4 pp
CA 125 8478
INT Patent
LA German
PAA 1199999
PALL 1199999
DATE

TI DE 4435007 A1 1996/0411 DE 1994/4435007 1994/1007
DE 4435007 C2 1997/0724
DE 4435007 C2 1999/0411 DE 1994/4435007 1994/1007
CA 2202090 A1 1996/0418 CA 1995/2202090 1995/1009
WO 96/11272 A2 1996/0418 WO 1995/EP3974
1995/1009
WO 96/11272 A3 1996/0926
W AT DE CH DE FR GB GR IL IT NL NO
RW AT BE CH DE DE ES FR GB GR IL IT NL NO
NL PT SE
AT 96/42701 A1 1996/0802 AT 1996/42701 1995/1009
EP 89/700 A1 1997/1203 EP 1995/934663 1995/1009
R AT DE CH DE FR GB GR IL IT NL NO SE
MC NL PT SE
12 1996/0811 JP 1995/812335 1995/1009
JP 11/504801 A 2000/0523 US 1997/817335 1997/1002

1199999 German Patent Office
ASSOCIATED TO ***PAPILLOMA*** VIRUS
SEQUENCES THEREOF
PA Keller Martin, Inc. 4 pp
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CA 2202090 A1 1996/0418 CA 1995/2202090 1995/1009
WO 96/11272 A2 1996/0418 WO 1995/EP3974
1995/1009
WO 96/11272 A3 1996/0926
W AT DE CH DE FR GB GR IL IT NL NO
RW AT BE CH DE DE ES FR GB GR IL IT NL NO
NL PT SE
AT 96/42701 A1 1996/0802 AT 1996/42701 1995/1009
EP 89/700 A1 1997/1203 EP 1995/934663 1995/1009
R AT DE CH DE FR GB GR IL IT NL NO SE
MC NL PT SE
12 1996/0811 JP 1995/812335 1995/1009
JP 11/504801 A 2000/0523 US 1997/817335 1997/1002

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PAA 1199999
PALL 1199999
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SO Ger Offen 4 pp
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DE 4435007 C2 1997/0724
DE 4435007 C2 1999/0411 DE 1994/4435007 1994/1007
CA 2202090 A1 1996/0418 CA 1995/2202090 1995/1009
WO 96/11272 A2 1996/0418 WO 1995/EP3974
1995/1009
WO 96/11272 A3 1996/0926
W AT DE CH DE FR GB GR IL IT NL NO
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NL PT SE
AT 96/42701 A1 1996/0802 AT 1996/42701 1995/1009
EP 89/700 A1 1997/1203 EP 1995/934663 1995/1009
R AT DE CH DE FR GB GR IL IT NL NO SE
MC NL PT SE
12 1996/0811 JP 1995/812335 1995/1009
JP 11/504801 A 2000/0523 US 1997/817335 1997/1002

prevalence was low in the adult population (1.4%) but exceeded 20% in children and teenagers. As the specificity of the anti-E4 reaction was 100%, the high prevalence was not due to a false positive result.

In children sera (p = 0.002), it was assumed that infection with HPV-16 can occur frequently with an anti-E4 response. In healthy controls, patients at high risk for HPV infection had a significantly higher frequency (p = 0.000) of antibodies to the HPV-16 E4 protein than to the E6 or the E7 protein in their sera. Therefore, it is concluded that in adults E4-specific antibodies may be a marker for virus replication.

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 E9 5 MULLER MARTIN AU
 E10 1 MULLER MARTIN AU
 E11 2 MULLER MARTIN AU
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 E2 3 MULLER MARTIN AU
 E3 109 1 MULLER MARTIN AU
 E4 7 MULLER MARTIN AU
 E5 3 MULLER MARTIN AU
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 E9 3 MULLER MARTIN AU
 E10 1 MULLER MARTIN AU
 E11 1 MULLER MARTIN AU
 E12 1 MULLER MARTIN AU

HPV-16: 1994-11-15/1994-11-17
 DE 1995-19526752 19950721
 WO 1995/018074 19951009
 AU ***papillomavirus***
 recombinant
 viral structure: 0 protein E1 and/or E2 in which fragments of these proteins are deleted and/or replaced with other proteins (e.g. viral early proteins) or protein fragments. These particles may be used as vaccines against tumors of the reproductive tract (e.g. cervical carcinoma)

1 20 ANSWER 5 OF 5 (BIOSIS COPYRIGHT 2000 BIOSIS)
 AN 1996 379848 BIOSIS
 DN PREVI199609102204
 IT Antibodies to the E4, E6, and E7 proteins of human
 papillomavirus
 (HPV) type 16 in patients with HPV-associated diseases and in the normal population
 AU ***Jucker-Martin G*** Virology 1996 191 100 Vera Baynick
 Jan-Luc Bouwmeester, Peter C. F. Lee, Gert G. Reid, Richard M. M. M. Jucker-Martin G.
 Jucker-Martin G. (1996) Virology 191 100
 CS (1) Dept. Obstetrics (Gynecology, Loyola Univ. Med. Cent., Pund 105, 2160)
 5704 Avenue, Maywood, IL 60153 USA
 SO Journal of Virology (1996) Vol. 104, No. 1, pp 138-141
 ISSN 0022-202X
 DT Article
 LA English
 AB In a cross-sectional study, titres of antibodies to the E4 and E7 proteins of human ***papillomavirus*** (HPV) type 16 were measured by peptide-based enzyme-linked immunosorbent assay in 1707 sera. Sera were obtained from healthy individuals (ages 1 to 95 years), from patients with HPV-associated infection (cervical intraepithelial neoplasia and cervical cancer), and from patients who were at high risk for HPV infection (attending a sexually transmitted disease clinic or referred to a gynaecologist for use of an abnormal Papanicolaou smear). The prevalence of anti-E7 antibodies increased with age, although the overall prevalence in the adult population was low (10.3%) compared to the frequent detection of HPV-16 E6 in the population. This suggests that only a fraction of patients infected with HPV-16 develop an anti-E7 response. The age distribution of anti-E4 antibodies showed a different pattern, i.e., the

s c3 c7
 1 20 ANSWER 5 OF 5 (BIOSIS COPYRIGHT 2000 BIOSIS)
 AN 1996 379848 BIOSIS
 DN PREVI199609102204
 IT The E4 and E7 proteins of human
 papillomavirus type 16
 expression in cell free extracts and bacteria and study of their interaction with p53
 AU Shalby, Mava, Aboud, Natalie, Jackman, Anna, ***Muller, Martin***
 Sherman, Lutz (Gismarm, Adm. Levana (1)
 CS (1) Dept. Human Microbiology, Sackler Sch. Med., Tel Aviv University, Tel Aviv 60978 Israel
 SO Virus Research (1996) Vol. 42, No. 1-2, pp 81-96
 DT Article
 LA English

d ab
 1 20 ANSWER 5 OF 5 (BIOSIS COPYRIGHT 2000 BIOSIS)
 DUPLICATE 1
 AB Several species of alternately spliced mRNAs are transcribed from the E6 gene region of human ***papillomavirus*** (HPV) 16. These have the coding capacity for either the full length E6 of 153 amino acids (and four truncated variants, 104-106V, 104-107V, 104-108V, 104-109V) or

[illegible]

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FILE # H.M.L. 00007 AT 17:56:07 ON 23 JAN 2003

FILE # B.U.F.F. 018915 AT 15:30:02 ON 23 JAN 2003

1.1 JUS PAPIALAXI AND VACCINE# ARBI

1.2 967 S ADENAI ASSOCIATED ARBI

1.3 153 L AND VACV# ARBI

1.4 153 L AND L5

FILE # B.U.F.F. 00004 AT 16:14:59 ON 23 JAN 2003

EXTENDED AT 17:38:00 ON 23 JAN 2003

1.5 98 L4

1.6 640 PR 01154 CUFF WATER REMOVED

1.7 104 S L5

1.8 95 L7 A D PAPILLARY ARBI

109	6101 PRELIMINAR PER VALUES REMOVED					
110	6101 FURNISHMENT RECORD					
111	6101 RECORDING TIME IN RECORD					
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